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Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Jun 13 14:06:48 EDT 2007

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Validated By CRFValidator v 1.0.2

Application No: 10760085 Version No: 2.1

Input Set:

Output Set:

Started: 2007-06-13 14:06:31.746
Finished: 2007-06-13 14:06:34.195
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 449 ms
Total Warnings: 9
Total Errors: 40
No. of SeqIDs Defined: 158
Actual SeqID Count: 158

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (13)
E 257	Invalid sequence data feature in <221> in SEQ ID (13)
E 257	Invalid sequence data feature in <221> in SEQ ID (13)
E 257	Invalid sequence data feature in <221> in SEQ ID (26)
E 257	Invalid sequence data feature in <221> in SEQ ID (27)
E 257	Invalid sequence data feature in <221> in SEQ ID (29)
E 257	Invalid sequence data feature in <221> in SEQ ID (29)
E 257	Invalid sequence data feature in <221> in SEQ ID (48)
E 257	Invalid sequence data feature in <221> in SEQ ID (48)
E 257	Invalid sequence data feature in <221> in SEQ ID (52)
E 330	Invalid protein , found in SEQID(54) POS (1)Invalid Protein:Asx
E 257	Invalid sequence data feature in <221> in SEQ ID (58)
E 257	Invalid sequence data feature in <221> in SEQ ID (79)
E 257	Invalid sequence data feature in <221> in SEQ ID (83)
E 257	Invalid sequence data feature in <221> in SEQ ID (83)
E 257	Invalid sequence data feature in <221> in SEQ ID (90)
E 257	Invalid sequence data feature in <221> in SEQ ID (90)
E 257	Invalid sequence data feature in <221> in SEQ ID (93)

Input Set:

Output Set:

Started: 2007-06-13 14:06:31.746
Finished: 2007-06-13 14:06:34.195
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 449 ms
Total Warnings: 9
Total Errors: 40
No. of SeqIDs Defined: 158
Actual SeqID Count: 158

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (98) This error has occured more than 20 times, will not be displayed
E 341	'Xaa' position not defined SEQID (119) POS (1)
E 341	'Xaa' position not defined SEQID (119) POS (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (150)
W 213	Artificial or Unknown found in <213> in SEQ ID (151)
W 213	Artificial or Unknown found in <213> in SEQ ID (152)
W 213	Artificial or Unknown found in <213> in SEQ ID (153)
W 213	Artificial or Unknown found in <213> in SEQ ID (154)
W 213	Artificial or Unknown found in <213> in SEQ ID (155)
W 213	Artificial or Unknown found in <213> in SEQ ID (156)
W 213	Artificial or Unknown found in <213> in SEQ ID (157)
W 213	Artificial or Unknown found in <213> in SEQ ID (158)

SEQUENCE LISTING

<110> Hubert Koster
Daniel Paul Little
Suhaib Mahmood Siddiqi
Mattew Peter Grealish
Subramaniam Marappan
Chester Frederick Hassman III
Ping Yip

<120> Capture Compounds, Collections Thereof
And Methods For Analyzing The Proteome And Complex
Compositions

<130> 21121-009001/2309

<140> 10/760,085
<141> 2004-01-16

<150> 60/441,398
<151> 2003-01-16

<160> 158

<170> FastSEQ for Windows Version 4.0

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<211> 39
<212> PRT
<213> Homo Sapien

<400> 1
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15
Arg Arg Pro Val Lys Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala
20 25 30
Glu Ala Phe Pro Leu Glu Phe
35

<210> 2
<211> 52
<212> PRT
<213> Homo Sapien

<400> 2
Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys
1 5 10 15
Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln
20 25 30
Phe Thr Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser
35 40 45
Pro Gln Gly Tyr
50

<210> 3
<211> 13
<212> PRT
<213> Homo Sapien

<400> 3
Ala Pro Ser Gly Ala Gln Arg Leu Tyr Gly Phe Gly Leu
 1   5   10

<210> 4
<211> 13
<212> PRT
<213> Homo Sapien

<400> 4
Trp Gly Lys Pro Val Ser Tyr Ser Met Glu His Phe Arg
 1   5   10

<210> 5
<211> 9
<212> PRT
<213> Homo Sapien

<400> 5
Ala Pro Arg Glu Arg Phe Tyr Ser Glu
 1   5

<210> 6
<211> 10
<212> PRT
<213> Homo Sapien

<400> 6
Tyr Gly Gly Phe Leu Arg Lys Tyr Pro Lys
 1   5   10

<210> 7
<211> 14
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 14
<223> AMIDATION

<220>
<221> MOD_RES
<222> 1
<223> PYRROLIDONE CARBOXYLIC ACID

<400> 7

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Glu Gly Arg Leu Gly Thr Gln Trp Ala Val Gly His Leu Met
 1               5                   10
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<210> 8
<211> 37
<212> PRT
<213> Homo Sapien

<400> 8

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Lys Cys Asn Thr Ala Thr Cys Ala Thr Asn Arg Leu Ala Asn Phe Leu
 1               5                   10                  15
Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
            20                  25                  30
Gly Ser Asn Thr Tyr
        35
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<210> 9
<211> 10
<212> PRT
<213> Homo Sapien

<400> 9

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Asp Arg Val Tyr Ile His Pro Phe His Leu
 1               5                   10
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<210> 10
<211> 8
<212> PRT
<213> Homo Sapien

<400> 10

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Asp Arg Val Tyr Ile His Pro Phe
 1               5
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<210> 11
<211> 7
<212> PRT
<213> Homo Sapien

<400> 11

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Arg Val Tyr Ile His Pro Phe
 1               5
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<210> 12
<211> 13
<212> PRT
<213> Homo Sapien

<400> 12

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Asn Arg Pro Arg Leu Ser His Leu Gly Pro Met Pro Phe
 1               5                   10
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<210> 13
<211> 29
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 1
<223> Xaa is D-Phe

<220>
<221> MOD_RES
<222> 10
<223> Nle

<220>
<221> MOD_RES
<222> 26
<223> Nle

<400> 13
Xaa His Leu Leu Arg Glu Val Leu Glu Leu Ala Arg Ala Glu Gln Leu
 1   5   10   15
Ala Gln Glu Ala His Lys Asn Arg Leu Leu Glu Ile Ile
            20   25

<210> 14
<211> 28
<212> PRT
<213> Homo Sapien

<400> 14
Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
 1   5   10   15
Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
            20   25

<210> 15
<211> 13
<212> PRT
<213> Homo Sapien

<400> 15
Lys Lys Ala Leu Arg Arg Gln Glu Thr Val Asp Ala Leu
 1   5   10

<210> 16
<211> 12
<212> PRT
<213> Homo Sapien

<400> 16
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu

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 1               5                   10


<210> 17
<211> 14
<212> PRT
<213> Homo Sapien

<400> 17
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp
 1               5                   10


<210> 18
<211> 12
<212> PRT
<213> Homo Sapien

<400> 18
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu
 1               5                   10


<210> 19
<211> 31
<212> PRT
<213> Homo Sapien

<400> 19
Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
 1               5                   10                  15
Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
            20                  25                  30


<210> 20
<211> 22
<212> PRT
<213> Homo Sapien

<400> 20
Ala Glu Lys Lys Asp Glu Gly Pro Tyr Arg Met Glu His Phe Arg Trp
 1               5                   10                  15
Gly Ser Pro Pro Lys Asp
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<210> 21
<211> 9
<212> PRT
<213> Homo Sapien

<400> 21
Tyr Gly Gly Phe Leu Arg Lys Tyr Pro
 1               5
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<210> 22
<211> 43
<212> PRT
<213> Homo Sapien

<400> 22
Asp Ala Glu Phe Arg His Ala Ser Gly Tyr Glu Val His His Gln Lys
 1   5   10   15
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Leu Gly Ala Ile Ile
            20   25   30
Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
        35   40

<210> 23
<211> 5
<212> PRT
<213> Homo Sapien

<400> 23
Arg Leu Arg Phe His
 1   5

<210> 24
<211> 32
<212> PRT
<213> Homo Sapien

<400> 24
Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
 1   5   10   15
Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
            20   25   30

<210> 25
<211> 9
<212> PRT
<213> Homo Sapien

<400> 25
Arg Pro Pro Gly Phe Ser Pro Phe Arg
 1   5

<210> 26
<211> 11
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 11
<223> AMIDATION

<400> 26

Gly Met Asp Ser Leu Ala Phe Ser Gly Gly Leu
 1   5   10

<210> 27
<211> 3
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 3
<223> AMIDATION

<400> 27
Lys His Gly
 1

<210> 28
<211> 11
<212> PRT
<213> Homo Sapien

<400> 28
Ala Ser Lys Lys Pro Lys Arg Asn Ile Lys Ala
 1   5   10

<210> 29
<211> 10
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 4
<223> SULFATATION

<220>
<221> MOD_RES
<222> 1
<223> PYRROLIDONE CARBOXYLIC ACID

<400> 29
Glu Gln Asp Tyr Thr Gly Trp Met Asp Phe
 1   5   10

<210> 30
<211> 28
<212> PRT
<213> Homo Sapien

<400> 30
Ala Ile Pro Ile Thr Ser Phe Glu Glu Ala Lys Gly Leu Asp Arg Ile
 1   5   10   15

Asn Glu Arg Met Pro Pro Arg Arg Asp Ala Met Pro
            20   25

<210> 31
<211> 32
<212> PRT
<213> Homo Sapien

<400> 31
Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Phe
 1   5   10   15
Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro
            20   25   30

<210> 32
<211> 27
<212> PRT
<213> Homo Sapien

<400> 32
Asp Pro Met Ser Ser Thr Tyr Ile Glu Glu Leu Gly Lys Arg Glu Val
 1   5   10   15
Thr Ile Pro Pro Lys Tyr Arg Glu Leu Leu Ala
            20   25

<210> 33
<211> 25
<212> PRT
<213> Homo Sapien

<400> 33
Asn Gln Gly Arg His Phe Cys Gly Gly Ala Glu Ile His Ala Arg Phe
 1   5   10   15
Val Met Thr Ala Ala Ser Cys Phe Asn
            20   25

<210> 34
<211> 30
<212> PRT
<213> Homo Sapien

<400> 34
Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
 1   5   10   15
Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp
            20   25   30

<210> 35
<211> 18
<212> PRT
<213> Homo Sapien

<400> 35
Cys Asn Leu Ala Val Ala Ala Ala Ser His Ile Tyr Gln Asn Gln Phe
 1   5   10   15
Val Gln

<210> 36
<211> 35
<212> PRT
<213> Homo Sapien

<400> 36
Lys Trp Lys Val Phe Lys Lys Ile Glu Lys Met Gly Arg Asn Ile Arg
 1   5   10   15
Asn Gly Ile Val Lys Ala Gly Pro Ala Ile Ala Val Leu Gly Glu Ala
            20   25   30
Lys Ala Leu
        35

<210> 37
<211> 16
<212> PRT
<213> Homo Sapien

<400> 37
Ser Gly Ser Ala Lys Val Ala Phe Ser Ala Ile Arg Ser Thr Asn His
 1   5   10   15

<210> 38
<211> 37
<212> PRT
<213> Homo Sapien

<400> 38
Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
 1   5   10   15
Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
            20   25   30
Gly Ser Lys Ala Phe
        35

<210> 39
<211> 37
<212> PRT
<213> Homo Sapien

<400> 39
Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
 1   5   10   15
Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
            20   25   30
Gly Ser Lys Ala Phe
        35

<210> 40
<211> 17
<212> PRT
<213> Homo Sapien

<400> 40
Leu Gln Asn Arg Arg Gly Leu Asp Leu Leu Phe Leu Lys Glu Gly Gly
 1   5   10   15
Leu

<210> 41
<211> 29
<212> PRT
<213> Homo Sapien

<400> 41
Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
 1   5   10   15
Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
            20   25

<210> 42
<211> 2
<212> PRT
<213> Homo Sapien

<400> 42
Trp Gly
 1

<210> 43
<211> 30
<212> PRT
<213> Homo Sapien

<400> 43
Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr
 1   5   10   15
Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
            20   25   30

<210> 44
<211> 29
<212> PRT
<213> Homo Sapien

<400> 44
Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr Gly
 1   5   10   15
Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys

20 25

<210> 45
<211> 33
<212> PRT
<213> Homo Sapien

<400> 45
Ala Leu Trp Lys Thr Met Leu Lys Lys Leu Gly Thr Met Ala Leu His
1 5 10 15
Ala Gly Lys Ala Ala Leu Gly Ala Ala Ala Asp Thr Ile Ser Gln Thr
20 25 30
Gln

<210> 46
<211> 17
<212> PRT
<213> Homo Sapien

<400> 46
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15
Gln

<210> 47
<211> 13
<212> PRT
<213> Homo Sapien

<400> 47
Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
1 5 10

<210> 48
<211> 11
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 11
<223> AMIDATION

<220>
<221> MOD_RES
<222> 1
<223> PYRROLIDONE CARBOXYLIC ACID

<400> 48
Glu Pro Ser Lys Asp Ala Phe Ile Gly Leu Met
1 5 10

<210> 49
<211> 4
<212> PRT
<213> Homo Sapien

<400> 49
Tyr Pro Trp Phe
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<210> 50
<211> 4
<212> PRT
<213> Homo Sapien

<400> 50
Tyr Pro Phe Phe
 1

<210> 51
<211> 21
<212> PRT
<213> Homo Sapien

<400> 51
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
 1   5   10   15
Leu Asp Ile Ile Trp
            20

<210> 52
<211> 39
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES
<222> 39
<223> AMIDATION

<400> 52
His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
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<210> 53
<211> 17
<212> PRT
<213> Homo Sapien

<400> 53
Ala Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val
 1   5   10   15
Arg

<210> 54
<211> 15
<212> PRT
<213> Homo Sapien

<400> 54
Asx Gln Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg
 1   5   10   15

<210> 55
<211> 8
<212> PRT
<213> Homo Sapien

<400> 55
Glu Ile Leu Asp Val Pro Ser Thr
 1   5

<210> 56
<211> 4
<212> PRT
<213> Homo Sapien

<400> 56
Phe Met Arg Phe
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<210> 57
<211> 30
<212> PRT
<213> Homo Sapien

<400> 57
Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
 1   5   10   15
Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser
            20   25   30

<210> 58
<211> 20
<212> PRT
<213> Homo Sapien

<220>
<221> MOD_RES

<222> 20
<223> AMIDATION

<400> 58
Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Gln Gln Phe
 1   5   10   15
Phe Gly Leu Met
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<210> 59
<211> 5
<212> PRT
<213> Homo Sapien

<400> 59
Arg Leu Arg Phe Asp
 1   5

<210> 60
<211> 17
<212> PRT
<213> Homo Sapien

<400> 60
Glu Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
 1   5   10   15
Phe

<210> 61
<211> 27
<212> PRT
<213> Homo Sapien

<400> 61
Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
 1   5   10   15
Arg Gly Asn His Trp Ala Val Gly His Leu Met
            20   25

<210> 62
<211> 28
<212> PRT
<213> Homo Sapien

<400> 62
Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Gln Arg Lys
 1   5   10   15
Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
            20   25

<210> 63

<211> 42
<212> PRT
<213> Homo Sapien

<400> 63
Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
 1   5   10   15
Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
            20   25   30
Lys Asn Asp Trp Lys His Asn Ile Thr Gln
        35   40

<210> 64
<211> 29
<212> PRT
<213> Homo Sapien

<400> 64
His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
 1   5   10   15
Arg Arg Ala Gln Asp Phe Val Asp Trp Leu Met Asn Thr
            20   25

<210> 65
<211> 20
<212> PRT
<213> Homo Sapien

<400> 65
Arg Arg Phe Ala Cys Asp Pro Asp Gly Tyr Asp Asn Tyr Phe His Cys
 1   5   10   15
Val Pro Gly Gly
            20

<210> 66
<211> 20
<212> PRT
<213> Homo Sapien

<400> 66
Thr Gly Ser Trp Cys Gly Leu Met His Tyr Asp Asn Ala Trp Leu Cys
 1   5   10   15
Asn Thr Gln Gly
            20

<210> 67
<211> 20
<212> PRT
<213> Homo Sapien

<400> 67
Arg Ser Lys Trp Cys Arg Asp Gly Tyr Tyr Ala Asn Tyr Pro Gln Cys
 1   5   10   15

Trp Thr Gln Gly
            20

<210> 68
<211> 20
<212> PRT
<213> Homo Sapien

<400> 68
Arg Ser Thr Leu Cys Trp Phe Glu Gly Tyr Asp Asn Thr Phe Pro Cys
 1   5   10   15
Lys Tyr Phe Arg
            20

<210> 69
<211> 20
<212> PRT
<213> Homo Sapien

<400> 69
Arg Val Gln Glu Cys Lys Tyr Leu Tyr Tyr Asp Asn Asp Tyr Leu Cys
 1   5   10   15
Lys Asp Asp Gly
            20

<210> 70
<211> 20
<212> PRT
<213> Homo Sapien

<400> 70
Gly Leu Arg Arg Cys Leu Tyr Gly Pro Tyr Asp Asn Ala Trp Val Cys
 1   5   10   15
Asn Ile His Glu
            20

<210> 71
<211> 20
<212> PRT
<213> Homo Sapien

<400> 71
Lys Leu Phe Trp Cys Thr Tyr Glu Asp Tyr Ala Asn Glu Trp Pro Cys
 1   5   10   15
Pro Gly Tyr Ser
            20

<210> 72
<211> 20
<212> PRT
<213> Homo Sapien

<400> 72
Phe Cys Ala Val Cys Asn Glu Glu Leu Tyr Glu Asn Cys Gl